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**Part Number:** **1050278001**  
**Status:** **Active**  
**Overview:** microSD Memory Card Connector  
**Description:** 1.10mm, 0.75mm, 0.70mm Pitch microSD\* Card Header with Detect Switch (VDD), Height 1.70mm, Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-105027-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Memory Card Sockets
Series	105027
Comments	<LI>Ground Pin located between Pin 4 and 5
Overview	microSD Memory Card Connector
Product Name	microSD* Card
Style	Guide and Holder
UPC	884982118096

**Physical**

Card Detection Switch	Open
Card Entry Location	Front
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10000
Ejector Button Side	N/A
Material - Contact	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Material - Shell	Stainless Steel
Net Weight	0.721/g
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	1.10mm
Pitch - Termination Interface	1.10mm
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.5A
Shielded	Yes
Voltage - Maximum	5V DC

**Solder Process Data**

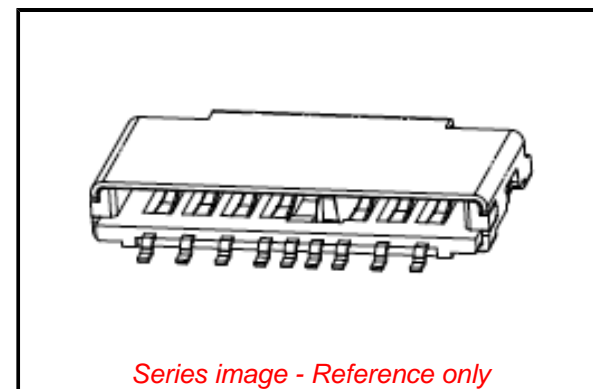
Duration at Max. Process Temperature (seconds)	002
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	002
Process Temperature max. C	255

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-105027-002
Sales Drawing	SD-105027-801

\*microSD is a trademark or registered trademark of SD-3C, LLC.



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/21/2016 (20 June  
2016)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

105027 Series

**Mates With**

Standard SIM Card

**Use With**

microSD Card

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